

Axiall 5055 Rigid PVC, Extrusion, White

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Georgia Gulf 5055 White is a special purpose rigid PVC compound designed for applications requiring the following properties:

ToughnessUL RatingEase of ProcessingDurabilityChemical ResistantOutdoor WeatherabilityInformation provided by Georgia GulfGeorgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-5055-Rigid-PVC-Extrusion-White.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D-785
Hardness, Shore D	81	81	ASTM D-2240
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D-638
Tensile Modulus	2.97 GPa	431 ksi	ASTM D-638
Flexural Strength	75.8 MPa	11000 psi	ASTM D-790
Flexural Modulus	2.79 GPa	404 ksi	ASTM D-790
Izod Impact, Notched	9.08 J/cm @Thickness 6.35 mm	17.0 ft-lb/in @Thickness 0.250 in	ASTM D-256
	12.3 J/cm @Thickness 3.17 mm	23.0 ft-lb/in @Thickness 0.125 in	ASTM D-256
Tensile Impact Strength	158 kJ/m ²	75.0 ft-lb/in ²	ASTM D-1822
Dart Drop Total Energy	147 J/cm	0.275 ft-lb/mil	H.25 Tup, Method A; ASTM D-4226

Thermal Properties	Metric	English	Comments
CTE, linear	64.8 μm/m-°C @Temperature 20.0 °C	36.0 μin/in-°F @Temperature 68.0 °F	ASTM D-696
Deflection Temperature at 1.8 MPa (264 psi)	71.1 °C	160 °F	ASTM D-648
Flammability, UL94	V-0	V-0	

Processing Properties	Metric	English	Comments
Melt Temperature	182 °C	360 °F	

Descriptive Properties	Value	Comments
Cell Classification	14423433	ASTM D-4216

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